

F I G . 1
1 0 ELECTRONIC CAMERA

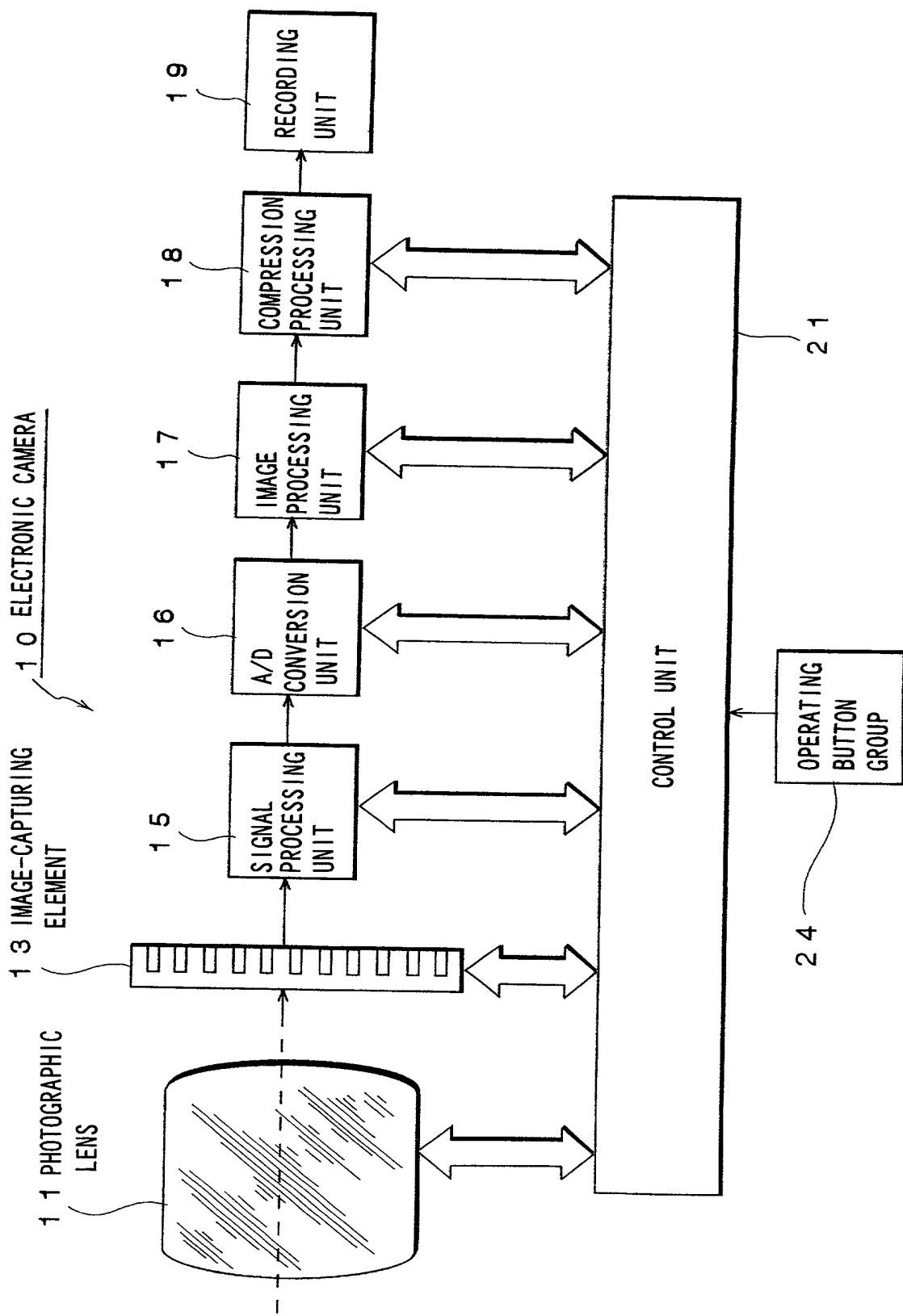
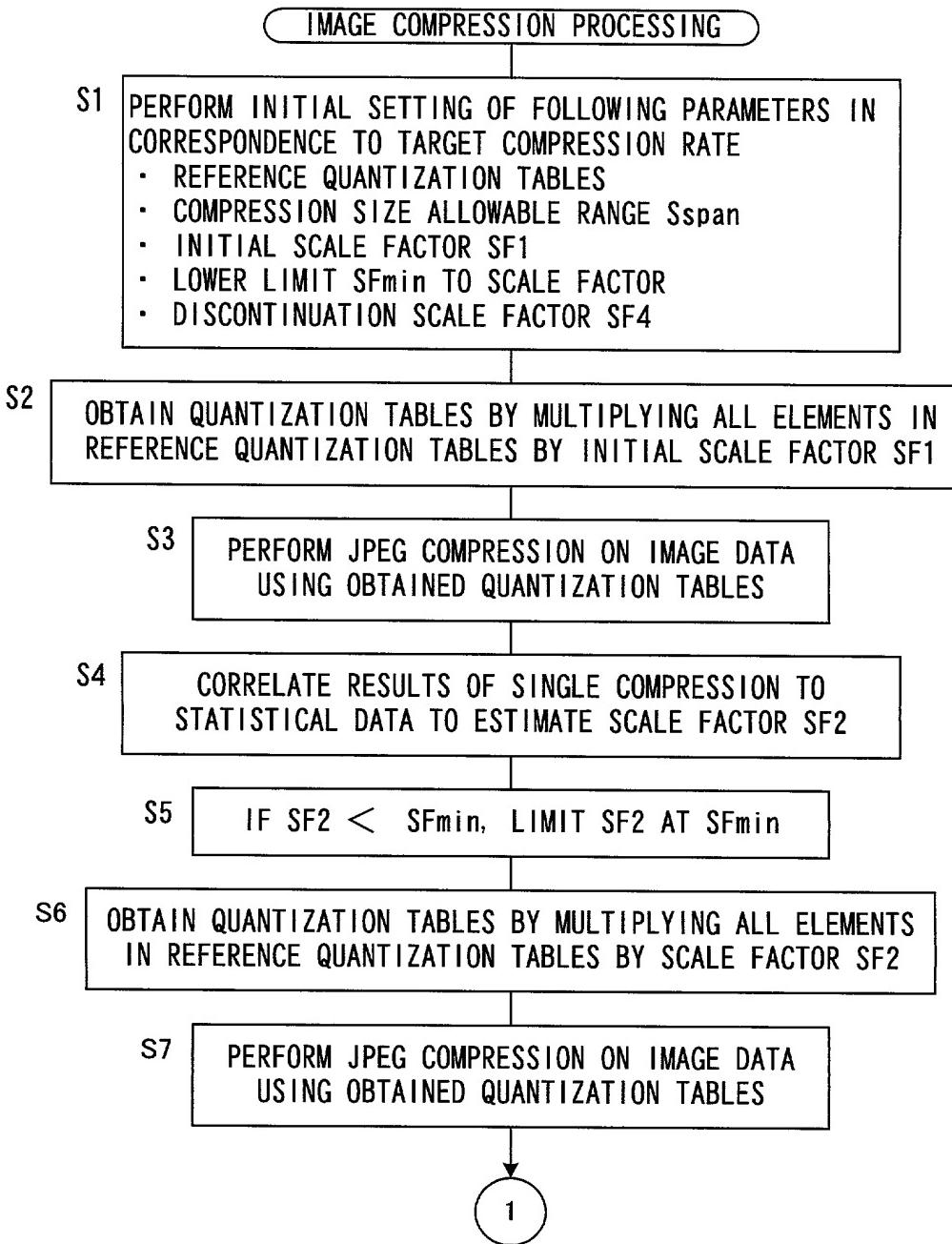
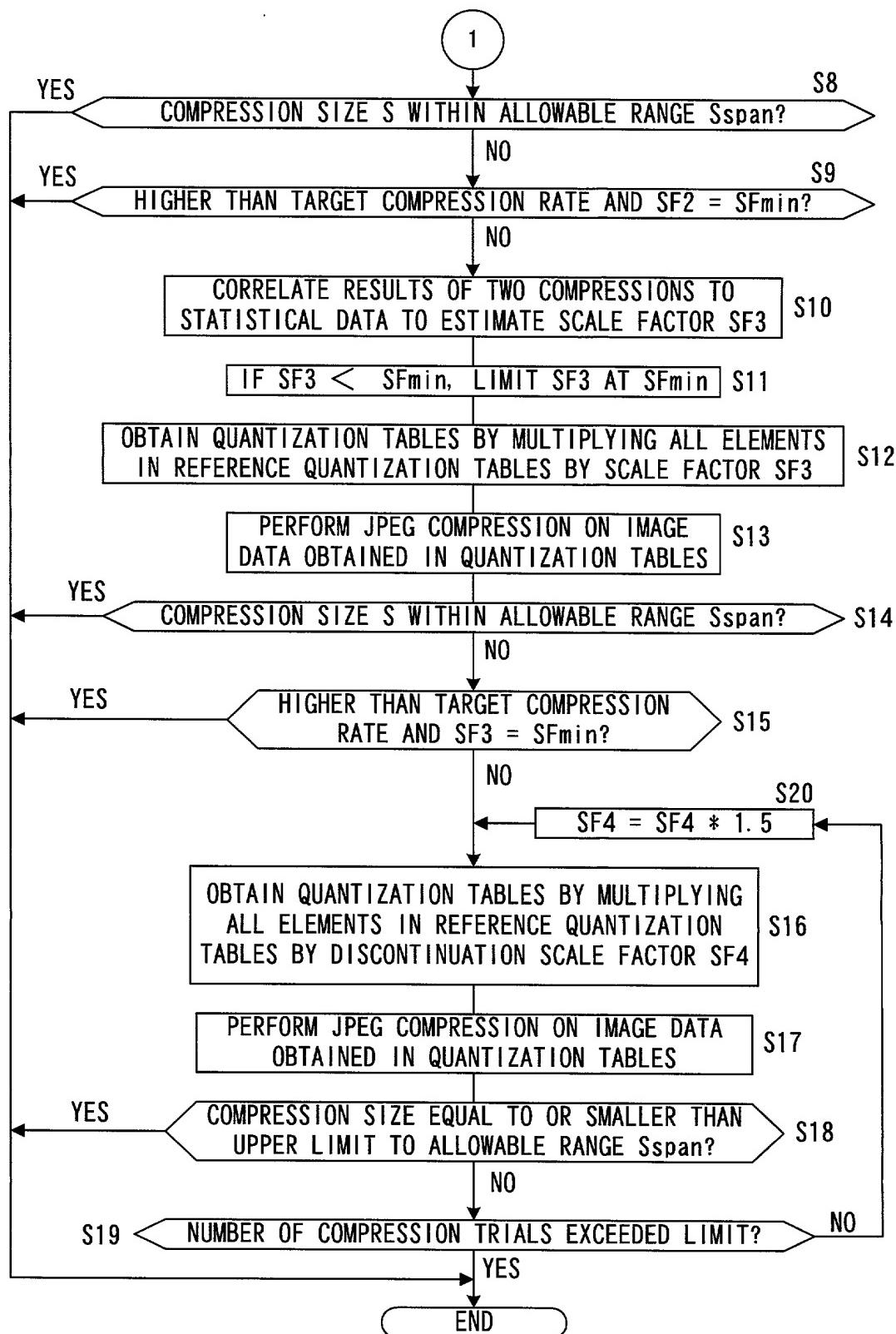


FIG. 2



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FIG. 3



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FIG.4A

REFERENCE QUANTIZATION TABLES FOR 1/4 COMPRESSION

DC COMPONENT REFERENCE QUANTIZATION STEP

16	11	10	16	24	40	51	61
12	12	14	19	26	58	60	55
14	13	16	24	40	57	69	56
14	17	22	29	51	87	80	62
18	22	37	56	68	109	103	77
24	35	55	64	81	104	113	92
49	64	78	87	103	121	120	101
72	92	95	98	112	100	103	99

REFERENCE QUANTIZATION TABLE FOR BRIGHTNESS

FIG.4B

DC COMPONENT REFERENCE QUANTIZATION STEP

17	18	24	47	99	99	99	99
18	21	26	66	99	99	99	99
24	26	56	99	99	99	99	99
47	66	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99

REFERENCE QUANTIZATION TABLE FOR COLOR DIFFERENCES

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FIG.5A

REFERENCE QUANTIZATION TABLES FOR 1/8 AND 1/16 COMPRESSION

DC COMPONENT REFERENCE QUANTIZATION STEP

8	11	10	16	24	40	51	61
12	12	14	19	26	58	60	55
14	13	16	24	40	57	69	56
14	17	22	29	51	87	80	62
18	22	37	56	68	109	103	77
24	35	55	64	81	104	113	92
49	64	78	87	103	121	120	101
72	92	95	98	112	100	103	99

REFERENCE QUANTIZATION TABLE FOR BRIGHTNESS

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FIG.5B

DC COMPONENT REFERENCE QUANTIZATION STEP

8	18	24	47	99	99	99	99
18	21	26	66	99	99	99	99
24	26	56	99	99	99	99	99
47	66	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99

REFERENCE QUANTIZATION TABLE FOR COLOR DIFFERENCES

FIG.6A

PRIOR ART

DC COMPONENT REFERENCE QUANTIZATION STEP

16	11	10	16	24	40	51	61
12	12	14	19	26	58	60	55
14	13	16	24	40	57	69	56
14	17	22	29	51	87	80	62
18	22	37	56	68	109	103	77
24	35	55	64	81	104	113	92
49	64	78	87	103	121	120	101
72	92	95	98	112	100	103	99

REFERENCE QUANTIZATION TABLE FOR BRIGHTNESS

FIG.6B

DC COMPONENT REFERENCE QUANTIZATION STEP

17	18	24	47	99	99	99	99
18	21	26	66	99	99	99	99
24	26	56	99	99	99	99	99
47	66	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99

REFERENCE QUANTIZATION TABLE FOR COLOR DIFFERENCES